Claims

- A fraction comprising essentially purified guinea pig immunoglobulin E having a purity sufficient to obtain a single major band of immunoglobulin E by SDS-PAGE, which is separated from the blood of an allergen-sensitized guinea pig, and having the following properties;
 - (1) having a molecular weight of said major band of about 200 kDa,
- (2) being usable as an antigen for producing an antibody capable of specifically recognizing guinea pig immunoglobulin E,
 - (3) being positive in a passive cutaneous anaphylaxis reaction in guinea pig,
- 15 (4) being substantially free of guinea pig immunoglobulin G.
 - 2. The fraction of claim 1, wherein the guinea pig immunoglobulin E has a molecular weight of the major band of 187 to 195 kDa.

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- 3. The fraction of claim 1 or 2, wherein the guinea pig immunoglobulin E has a molecular weight of about 186 kDa as determined by mass spectrometry.
- 25 4. The fraction of claims 1 to 3, wherein said major band is separated into two bands by reducing SDS-PAGE, and the molecular weights of the individual bands after the separation are about 70 kDa and about 30 kDa.
- 5. The fraction of claims 1 to 4, wherein the allergen is ovalbumin.
 - 6. An antibody capable of specifically recognizing guinea pig immunoglobulin E, produced by immunizing a non-human animal

with the fraction comprising immunoglobulin E of claims 1 to 5.

7. The antibody of claim 6, wherein the antibody is a monoclonal antibody.

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- 8. The antibody of claim 6 or 7, wherein the antibody exhibits substantially no cross-reaction with guinea pig immunoglobulin G or immunoglobulin M.
- 9. An antibody capable of specifically recognizing guinea pig immunoglobulin E wherein the cross-reaction rate of the antibody with guinea pig immunoglobulin G or immunoglobulin M is less than 0.0001%.
- 15 10. A reagent for immunoassaying guinea pig immunoglobulin E comprising the antibody of claims 6 to 9.
- 11. A reagent for immunoassaying guinea pig immunoglobulin E comprising the antibody of claims 6 to 9 and an enzyme-labeled antibody thereof.
 - 12. The reagent of claim 10 or 11, wherein the reagent for immunoassay is a reagent for performing sandwich enzyme-linked immunosorbent assay.

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- 13. A reagent for immunoassaying guinea pig immunoglobulin E comprising the immobilized antibody of claims 6 to 9 and ovalbumin labeled with a labeling substance.
- 30 14. A reagent for immunoassaying guinea pig immunoglobulin E comprising immobilized ovalbumin and the antibody of claims 6 to 9 as labeled with a labeling substance.
 - 15. The reagent of claim 13 or 14, wherein the labeling

substance is an enzyme.

- 16. The reagent of any of claims 13 to 15, wherein the guinea pig immunoglobulin E is ovalbumin-recognizing immunoglobulin E.
- 17. The antibody of claims 6 to 9, which is immobilized on a solid phase.
- 18. The antibody of claim 17, which is used for producing or purifying guinea pig immunoglobulin E.